

CENUSIL[®] M 810 A/B

Room Temperature Curing Silicone Rubber (RTV-2)

Pourable, addition-curing RTV-2 silicone rubber that cures at room temperature.

Main application: Making shrink-free molds with excellent reproduction accuracy.



Properties

- excellent flowability and good self-deaeration
- high tear strength
- very low hardness (Shore A 10)
- mixing ratio of 1:1 for straightforward processing
- fast and non-shrink cure at room temperature which can be accelerated considerably by the application of heat
- excellent long-term stability of the mechanical properties of the vulcanizate
- good resistance to common reproduction materials

Specific features

- Addition Curing
- Fast curing at room temperature
- Flowable
- Low viscosity
- No chemical shrinkage
- Two-component

Technical data

Properties Uncured

Property	Condition	A	B	Method
Color	-	white	white	-
Density	23 °C	1.05 g/cm ³	1.05 g/cm ³	DIN EN ISO 2811-1
Viscosity, dynamic	-	3000 mPa·s	3000 mPa·s	Brookfield

These figures are only intended as a guide and should not be used in preparing specifications.

Properties Catalyzed A+B

Property	Condition	Value	Method
Color	-	white	-
Mix ratio ⁽¹⁾	-	1 : 1	A : B
Pot Life (up to 60000 mPas)	-	40 min	DIN EN ISO 2555
Curing time tack-free	-	4 h	-

¹p.b.w.

These figures are only intended as a guide and should not be used in preparing specifications.

Properties Cured

After 24 h at 23 °C.

Property	Condition	Value	Method
Hardness Shore A	-	10	DIN ISO 48-4
Tensile strength	-	3.5 N/mm ²	ISO 37 type 1
Elongation at break	-	600 %	ISO 37 type 1

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Applications

- Automotive molding
- Reproduction Molding

Application details

Due to the outstanding elongation and low demolding forces as well as the superior mechanical properties, CENUSIL® M 810 A/B is especially suitable for preparing glove molds, i.e. one part skin molds.

The benefits are easy and quick mold making as well as straightforward demolding and seamless copies. Hence no further rework of the reproduction is required and process time is being extensively reduced.

As a low-hardness addition-curing RTV-2 silicone rubber that cures without undergoing dimensional shrinkage CENUSIL® M 810 A/B is especially suitable for casting all common reproduction materials, particularly if absolutely accurate copies of models with pronounced undercuts are required.

Processing

Mix components A and B in a ratio of 1 : 1.

Important note:

The platinum catalyst is contained in* component A*.

Important: A and B components may only be used together if they have the same batch number.

Please check also our brochures and info sheets.

Packaging and storage

Storage

The 'Best use before end' date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code CENUSIL® M 810 A/B



For technical, quality or product safety questions, please contact:

Wacker Chemie AG, Hanns-Seidel-Platz 4, 81737 Munich, Germany
info@wacker.com, www.wacker.com

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.